

PI 555396 to 555399. Glycine max (L.) Merr. FABACEAE Soybean

**Donated by:** Leffel, R.C., Agricultural Research Service -- USDA, Soybean and Alfalfa Research Laboratory, Beltsville, Maryland, United States. **remarks:** BARC-6, BARC-7, BARC-8, BARC-9 High Protein Soybean Germplasms. Received August 26, 1991.

- PI 555396 **origin:** United States. **origin institute:** Agricultural Research Service -- USDA, Soybean and Alfalfa Research Laboratory, Beltsville, Maryland 20705. **cultivar:** BARC-6. **pedigree:** CX797-21 X D76-8070. CX797-21 is from 'Cutler 71' (3) X 'Pando'. D76-8070 was derived from intercrosses of selections from four crosses: 'Hill' X 'Sioux', FC31745 X D49-2510, Hill X PI 96983, and D49-2491 (4) X PI 163453. **other id:** GP-127. **group:** CSR-SOYBEAN. **remarks:** High-protein, lower oil (506 and 157g kg-1 respectively) soybean of Group III maturity with indeterminate stem. Seed yellow with black hila. Flowers purple. Pods brown. Pubescence tawny. Seed size, plant height, and lodging score averaged 190mg sd-1, 100cm, and 2.8 (intermediate), respectively. Breeding Material. Seed.
- PI 555397 **origin:** United States. **origin institute:** Agricultural Research Service -- USDA, Soybean and Alfalfa Research Laboratory, Beltsville, Maryland 20705. **cultivar:** BARC-7. **pedigree:** CX797-21 X D80-6931. CX797-21 is from 'Cutler 71' (3) X 'Pando'. D80-6931 is from 'Tracy' (4) X PI86490. **other id:** GP-128. **group:** CSR-SOYBEAN. **remarks:** High-protein, lower oil (491 and 148g kg-1 respectively) soybean of Group IVS maturity with determinate stem. Seed yellow with black hila. Flowers purple. Pubescence tawny (near grey?). Pods tan and brown. Seed size, plant height, and lodging score averaged 160mg sd-1, 80cm, and 2.2 respectively. Breeding Material. Seed.
- PI 555398 **origin:** United States. **origin institute:** Agricultural Research Service -- USDA, Soybean and Alfalfa Research Laboratory, Beltsville, Maryland 20705. **cultivar:** BARC-8. **pedigree:** CX797-21 X NC-2-62. CX797-21 is from 'Cutler 71' (3) X 'Pando'. NC-2-62 is a subline of the high-protein germplasm population, NC-2, developed by seven cycles of recurrent selection (Crop Sci 26: 211.1986.). **other id:** GP-129. **group:** CSR-SOYBEAN. **remarks:** High-protein, lower oil (528 and 148g kg-1 respectively) soybean of Group V maturity with determinate stem. Seed yellow with black hila. Flowers white. Pods tan. Pubescence tawny. Seed size, plant height, and lodging score averaged 130mg sd-1, 75cm and 1.8, respectively. Breeding Material. Seed.